

**Commonwealth of Kentucky
Environmental and Public Protection Cabinet
Department for Environmental Protection
Division for Air Quality
803 Schenkel Lane
Frankfort, Kentucky 40601
(502) 573-3382**

Draft

**AIR QUALITY PERMIT
Issued under 401 KAR 52:030**

Permittee Name: Pittsburg Tank & Tower Co., Inc.
Mailing Address: 1 Water Tank Place, P.O. Box 1349

Source Name: Same as Above
Mailing Address: 1 Water Tank Place, P.O. Box 1349,

Source Location: 1 Water Tank Place

Permit Number: F-05-043
Source A. I. #: 1829
Activity #: APE20050002
Review Type: Operating
Source ID #: 21-101-00132

Regional Office: Owensboro Regional Office
3032 Alvey Park Dr. W. STE 700
Owensboro, KY 42303
(270) 687-7304

County: Henderson

**Application
Complete Date:** August 28, 2005
Issuance Date:
Revision Date:
Expiration Date:

**John S. Lyons, Director
Division for Air Quality**

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SECTION A - PERMIT AUTHORIZATION

Pursuant to a duly submitted application the Kentucky Division for Air Quality hereby authorizes the operation of the equipment described herein in accordance with the terms and conditions of this permit. This permit has been issued under the provisions of Kentucky Revised Statutes Chapter 224 and regulations promulgated pursuant thereto.

The permittee shall not construct, reconstruct, or modify any affected facilities without first submitting a complete application and receiving a permit for the planned activity from the permitting authority, except as provided in this permit or in 401 KAR 52:030, Federally-enforceable permits for non-major sources.

Issuance of this permit does not relieve the permittee from the responsibility of obtaining any other permits, licenses, or approvals required by this Cabinet or any other federal, state, or local agency.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS

01 (01) This emission point is for Blasting of steel water tank sections.

Description:

EP01 is used to remove welding slag and surface rust from steel tank sections.

EP01 consists of a 30 ft. long by 14 ft. wide by 12 ft. high building equipped with a floor reclaim system, a dust collector, and equipment for abrasive blasting.

The building has baffled air inlets and air flow in an end-to-end pattern.

Abrasive blasting equipment includes two ½" Venturi blasting nozzles (each designed to deliver 5,880 lbs of abrasive/hr), steel grit abrasive, an air compressor, a 50 ft³ abrasive storage hopper that is fed continuously by an elevator, and two 6 ft³ blastpots.

The dust collector is a 8,900 cfm cartridge pulse jet dust collection system with an assumed particulate matter control efficiency of 99.99%.

The dust collector has 16 filters (each with a filter area of 250 ft²).

Construction commenced: April, 2001.

APPLICABLE REGULATIONS:

401 KAR 59:010, New process operations applicable to each affected facility associated with a process operation which is not subject to another emission standard with respect to particulates in Chapter 59 of 401 KAR commenced on or after July 2, 1975.

1. Operating Limitations:

The following are required to verify and facilitate compliance with Emission Limitations A and B.

- A. Building doors shall be shut during blasting.
- B. The dust control system shall be operated during blasting.
- C. The dust control system shall be maintained in accordance with manufacturer's recommendations.
- D. Pressure drop in the dust control device during blasting shall be in the range recommended by the manufacturer.

2. Emission Limitations:

A. 401 KAR 59:010 § 3(1) – Visible emissions from a control device or stack associated with any affected facility shall not equal or exceed 20% opacity.

B. 401 KAR 59:010 § 3(2) – Particulate matter emissions from a control device or stack associated with any affected facility shall not equal or exceed the emission rate determined by the following equation: $E = 3.59 \times (P)^{(0.62)}$

Where,

E = Emission rate in pounds per hour.

P = Maximum quantity input of steel shot abrasive in tons per hour.

Affected Facility: The last operation preceding the emission of air contaminants, which results:

- (a) In the separation of the air contaminant from the process materials; or
- (b) In the conversion of the process materials into air contaminants, but does not include an air pollution abatement operation.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)**2. Emission Limitations (Continued):****Compliance Demonstration Method:**

Compliance with the above emission limitations may be assumed given compliance with Operating Limitations A - D and the Monitoring, Record Keeping, and Reporting requirements specified in B(4), B(5) and B(6) below.

3. Testing Requirements: Testing shall be conducted at such times as may be required by the Cabinet in accordance with 401 KAR 59:005, § 2(2) and 50:045, § 4.**4. Specific Monitoring Requirements:**

- A. A qualitative visual observation of the opacity of emissions shall be performed from the stack on a weekly basis and a log of the observations maintained when the unit is operating. If visible emissions from the stack are seen (not including condensed water vapor within the plume), then the opacity shall be determined by Reference Method 9. If emissions are in excess of the applicable opacity limit, then an inspection shall be initiated of control equipment for all necessary repairs.
- B. Pressure change readings for the dust collection system shall be made at least once per shift when blasting is being done for the purpose of verifying compliance with Operating Limitation D.
- C. See Section D.7.

5. Specific Recordkeeping Requirements:

- A. A weekly log of qualitative visual observations of opacity shall be maintained.
- B. Records documenting the results of each opacity reading by EPA Reference Method 9 shall be maintained.
- C. Records documenting the results of any required inspection and repair, as a result of a recorded opacity over 20% shall be maintained.
- D. The cartridge filter house pressure drop shall be recorded once per shift when the unit is operating.
- E. All maintenance that is required for compliance demonstration of Operating Limitation C shall be recorded and include date and time.
- F. All deviations from Operating Limitations A and B shall be recorded and include date and time.

6. Specific Reporting Requirements: As part of compliance demonstration for Emission Limitations A and B, reporting requirement 5 in Section F shall be modified to require only a summary of the following:

- A. Operating pressure measurements during the period for the dust collection system (maximum and minimum);
- B. The manufacturer's recommended operating pressure range for the dust collection system;
- C. Any filter replacements during the period;
- D. The weekly log of qualitative visual observations of opacity;
- E. And any other deviations from permit requirements for this emission point during the period.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

6. Specific Reporting Requirements (Continued):

This shall be done every 6 months and certified by a responsible official as specified in Section F requirement 5. See reporting requirements 6, 7, and 8 from Section F for additional reporting requirements.

7. Specific Control Equipment Operating Conditions: See Operating Limitations above.

8. Alternate Operating Scenarios: N/A

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

02 (02) This emission point is a Paint Booth.

Description:

EP02 is a spray booth. The booth is 100 ft long by 90 ft wide by 23 ft high and an exhaust pit system with 4 troughs. Each trough is 3 ft wide by 80 ft long and utilizes roll type filter media. The booth utilizes an airless spray gun or equivalent with a rated capacity of 12.5 gal/hr.

The booth has a design air flow rate of 4 x 37,500 cfm.

The polyester diffusion media filters have been assumed to capture 99.99% of the particulate emissions (based on manufacturer testing of the media).

Transfer efficiency has been assumed to be 75%.

Construction commenced: April 2001.

APPLICABLE REGULATIONS:

401 KAR 59:010, New process operations applicable to each affected facility associated with a process operation which is not subject to another emission standard with respect to particulates in Chapter 59 of 401 KAR commenced on or after July 2, 1975.

401 KAR 63:020, Potentially Hazardous Matter and Toxic Substance Emissions, applies to the potentially hazardous matter and toxic substance emissions from affected facilities.

1. Operating Limitations:

The following limits shall apply to assure compliance with Emission Limitations A and B.

- A. Building doors shall be shut during painting.
- B. The exhaust pit filtering device shall be operated during painting.
- C. The booth shall be operated and maintained in accordance with the manufacturer's recommendations unless otherwise allowed in this permit.
- D. At all times when painting, all filters shall be in place and shall be replaced when determined to be inefficient (as determined through visual inspection).

Conditional Major Limit on VOC and HAPs

See Section D.

2. Emission Limitations:

- A. 401 KAR 59:010 § 3(1) – Visible emissions from a control device or stack associated with any affected facility shall not equal or exceed 20% opacity.
- B. 401 KAR 59:010 § 3(2) – Particulate matter emissions from a control device or stack associated with any affected facility shall not equal or exceed 2.34 lb/hour when the process rate is ≤ 0.50 tons per hour. The process rate, P, is equal to the maximum application rate of coating in tons per hour.

Compliance Demonstration Method:

If deemed necessary, the Cabinet shall require testing in accordance with 40 CFR 60 Appendix A, Methods 9 and 5, respectively.

Given the description provided for this emission point, compliance with Operating Limitations A - D and the monitoring, record keeping and reporting requirements specified in B(4), B(5) and B(6) below demonstrates compliance with the above emission limitations unless testing is required.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)**2. Emission Limitations (Continued):**

C. 401 KAR 63:020 § 3 – No owner or operator shall allow any affected facility to emit potentially hazardous matter or toxic substances in such quantities or duration as to be harmful to the health and welfare of humans, animals and plants. See Section D.5, Compliance Demonstration Method (B), for emission limitations and compliance requirements.

3. Testing Requirements: Testing shall be conducted at such times as may be required by the Cabinet in accordance with 401 KAR 59:005, § 2(2) and 50:045, § 4.**4. Specific Monitoring Requirements:**

- A. A qualitative visual observation of the opacity of emissions shall be performed from the stack on a weekly basis and a log of the observations maintained when the unit is operating. If visible emissions from the stack are seen (not including condensed water vapor within the plume), then the opacity shall be determined by Reference Method 9. If emissions are in excess of the applicable opacity limit, then an inspection shall be initiated of control equipment for all necessary repairs.
- B. Operating Limitation D shall be monitored daily before the unit is operated (on days when painting is performed).
- C. The twelve-month rolling average VOC emissions shall be monitored monthly.
- D. The twelve-month rolling average single and combined HAP emissions shall be monitored monthly.
- E. See Section D.7.

5. Specific Recordkeeping Requirements:

- A. The permittee shall maintain monthly records of the purchase and usage of the paints and solvents or any VOC/HAP containing material. See Section D.3 and D.4.
- B. The twelve-month rolling average VOC emissions shall be recorded monthly.
- C. The twelve-month rolling average single and combined HAP emissions shall be recorded monthly.
- D. See Section D.7.

The following is required as part of compliance demonstration for Emission Limitations A and B.

- E. Date and results of filter inspections shall be recorded when monitored.
- F. All maintenance necessary to demonstrate compliance with Operating Limitation C shall be recorded and include date and time.
- G. Records documenting the results of each opacity reading by EPA Reference Method 9 shall be maintained.
- H. Records documenting the results of any required inspection and repair, as a result of a recorded opacity over 20% shall be maintained.
- I. A weekly log of qualitative visual observations of opacity shall be maintained.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

6. Specific Reporting Requirements:

The permittee shall submit an emissions calculations worksheet, which utilizes product specific emission factors. These worksheets shall be submitted as a hardcopy and shall serve as the method of determining compliance with the source wide limitations for HAP and VOC emissions. The reporting requirement for Monitoring Requirement D is specified here to consist of a summary of filter replacements, maintenance and any deviations from permit requirements, which occurred during the reporting period. The date and time of filter replacements, maintenance and/or deviations from permit requirements shall be specified in the report. See reporting requirements 6, 7, and 8 from Section F for additional reporting requirements.

7. Specific Control Equipment Operating Conditions: See Operating Limitations above.

8. Alternate Operating Scenarios: N/A

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS

03 (04) This emission point is a Wheelabrator Shot Blaster Serial #2513.

Description:

EP03 is used to abrasive blast steel.

EP03 consists of a blast cabinet, 8 wheels that propel abrasive, and an abrasive recycling system. Air is not used to propel the shot.

The machine is totally enclosed with slots on each end. A monorail is used to convey the parts.

Abrasive blasting has a maximum rated capacity of 180,000 lbs/hr.

Attrition consumed shot blast and other trash are separated in the abrasive recycling system. Air is used in this process. A dust collector is used to clean the dirty air from the recycle system.

Additionally, the dust collector is required to keep the blast cabinet clean.

The dust collector is a 10,500 cfm cartridge pulse jet dust collection system with an assumed particulate matter control efficiency of 99.99%.

The dust collector has 20 filters (each with a filter area of 220 ft²).

Construction commenced: April, 2001.

APPLICABLE REGULATIONS:

401 KAR 59:010, New process operations applicable to each affected facility associated with a process operation which is not subject to another emission standard with respect to particulates in Chapter 59 of 401 KAR commenced on or after July 2, 1975.

1. Operating Limitations:

The following are required to verify and facilitate compliance with Emission Limitations A and B.

- A. Building doors shall be shut during blasting.
- B. The dust control system shall be operated during blasting.
- C. The dust control system shall be maintained in accordance with manufacturer's recommendations.
- D. Pressure drop in the dust control device during blasting shall be in the range recommended by the manufacturer.

2. Emission Limitations:

- A. 401 KAR 59:010 § 3(1) – Visible emissions from a control device or stack associated with any affected facility shall not equal or exceed 20% opacity.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)**2. Emission Limitations (Continued):**

B. 401 KAR 59:010 § 3(2) – Particulate matter emissions from a control device or stack associated with any affected facility shall not equal or exceed the emission rate determined by the following equation: $E = 3.59 \times (P)^{(0.62)}$

Where,

E = Emission rate in pounds per hour.

P = Maximum quantity input of steel shot abrasive in tons per hour.

Affected Facility: The last operation preceding the emission of air contaminants, which results:

- (a) In the separation of the air contaminant from the process materials; or
- (b) In the conversion of the process materials into air contaminants, but does not include an air pollution abatement operation.

Compliance Demonstration Method:

Compliance with the above emission limitations may be assumed given compliance with Operating Limitations A - D and the Monitoring, Record Keeping, and Reporting requirements specified in B(4), B(5) and B(6) below.

3. Testing Requirements: Testing shall be conducted at such times as may be required by the Cabinet in accordance with 401 KAR 59:005, § 2(2) and 50:045, § 4.

4. Specific Monitoring Requirements:

- A. A qualitative visual observation of the opacity of emissions shall be performed from the stack on a weekly basis and a log of the observations maintained when the unit is operating. If visible emissions from the stack are seen (not including condensed water vapor within the plume), then the opacity shall be determined by Reference Method 9. If emissions are in excess of the applicable opacity limit, then an inspection shall be initiated of control equipment for all necessary repairs.
- B. Pressure change readings for the dust collection system shall be made at least once per shift when blasting is being done for the purpose of verifying compliance with Operating Limitation D.
- C. See Section D.7.

5. Specific Recordkeeping Requirements:

- A. A weekly log of qualitative visual observations of opacity shall be maintained.
- B. Records documenting the results of each opacity reading by EPA Reference Method 9 shall be maintained.
- C. Records documenting the results of any required inspection and repair, as a result of a recorded opacity over 20% shall be maintained.
- D. The cartridge filter house pressure drop shall be recorded once per shift when the unit is operating.
- E. All maintenance that is required for compliance demonstration of Operating Limitation C shall be recorded and include date and time.
- F. All deviations from Operating Limitations A and B shall be recorded and include date and time.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

6. **Specific Reporting Requirements:** As part of compliance demonstration for Emission Limitations A and B, reporting requirement 5 in Section F shall be modified to require only a summary of the following:
- A. Operating pressure measurements during the period for the dust collection system (maximum and minimum);
 - B. The manufacturer's recommended operating pressure range for the dust collection system;
 - C. Any filter replacements during the period;
 - D. The weekly log of qualitative visual observations of opacity;
 - E. And any other deviations from permit requirements for this emission point during the period.

These items shall be reported every 6 months and certified by a responsible official as specified in Section F requirement 5. See reporting requirements 6, 7, and 8 from Section F for additional reporting requirements.

7. **Specific Control Equipment Operating Conditions:** See Operating Limitations above.
8. **Alternate Operating Scenarios:** N/A

SECTION C - INSIGNIFICANT ACTIVITIES

The following listed activities have been determined to be insignificant activities for this source pursuant to 401 KAR 52:030, Section 6. While these activities are designated as insignificant the permittee must comply with the applicable regulation and some minimal level of periodic monitoring may be necessary.

| <u>Description</u> | <u>Generally Applicable Regulation</u> |
|---------------------------------|--|
| 1. Cutting & Welding Activities | 401 KAR 59:010 |

SECTION D - SOURCE EMISSION LIMITATIONS AND TESTING REQUIREMENTS

1. As required by Section 1b of the *Cabinet Provisions and Procedures for Issuing Federally-Enforceable Permits for Non-Major Sources* incorporated by reference in 401 KAR 52:030 Section 10, compliance with annual emissions and processing limitations contained in this permit, shall be based on emissions and processing rates for any twelve (12) consecutive months.
2. Source wide Volatile Organic Compound (VOC) emissions, as measured by methods referenced in 401 KAR 50:015, Section 1, shall not exceed the respective limitations specified herein.
3. VOC emissions shall not exceed 90 tons during any consecutive twelve (12) month period. Monthly records to demonstrate compliance with this limitation shall be maintained and total VOC emissions shall be reported on a semi-annual basis. VOC emissions shall be calculated and recorded on a *monthly* basis. These records shall be summarized in tons per month of VOC emissions; subsequently, tons of VOC emissions per rolling 12-month period shall be recorded. In addition, these records shall demonstrate compliance with the VOC emission limitations listed herein for the conditional major limitations. These records shall be maintained on site for a period of five years from the date the data was collected and shall be provided to the Division upon request.
4. The emissions of any individual Hazardous Air Pollutant (HAP) shall not exceed nine (9) tons during any consecutive twelve (12) month period. The emissions of combined HAP shall not exceed twenty-two and one-half (22.5) tons per year. Monthly records, which demonstrate compliance with this limitation, shall be maintained and total HAP emissions shall be reported on a semi-annual basis. HAP emissions shall be calculated and recorded on a *monthly* basis. These records shall be summarized in tons per month HAP emissions; subsequently, tons of HAP emissions per rolling 12-month period shall be recorded. In addition, these records shall demonstrate compliance with HAP emission limitations listed herein for the conditional major limitations. These records, as well as purchase orders and invoices for all HAP containing materials, shall be maintained on site for a period of five years from the date the data was collected and shall be provided to the Division upon request.
5. As required by 401 KAR 63:020, § 3, no owner or operator shall allow any affected facility to emit potentially hazardous matter or toxic substances in such quantities or duration as to be harmful to the health and welfare of humans, animals and plants. The emissions of methylene diphenyl diisocyanate (MDI) (CAS No. 101-68-8) shall not exceed seven-tenths (0.70) tons (1,402 lb) during any consecutive twelve (12) month period. Monthly records which demonstrate compliance with this limitation shall be maintained and total MDI emissions shall be reported on a semi-annual basis. MDI emissions shall be calculated and recorded on a *monthly* basis. These records shall be summarized in tons per month MDI; subsequently, tons of MDI emissions per rolling 12-month period shall be recorded. In addition, these records shall demonstrate compliance with MDI emission limitations listed herein. These records, as well as purchase orders and invoices for all MDI containing materials, shall be maintained on site for a period of five years from the date the data was collected and shall be provided to the Division upon request.

SECTION D - SOURCE EMISSION LIMITATIONS AND TESTING REQUIREMENTS (CONTINUED)

6. If the source alters process rates, material formulations, or any other factor that will result in an increase of emissions or the addition of toxic emissions not previously evaluated by the Division, the source shall submit the appropriate application forms pursuant to 401 KAR 52:020, along with modeling to show that the facility will remain in compliance with 401 KAR 63:020.
7. Where there is weekly monitoring and record keeping requirements in this permit, the monitoring and record keeping shall be required if the emission unit operated any day or portion of a day during the week. Where there is daily monitoring and record keeping requirements in this permit, the monitoring and record keeping shall be required if the emission unit operated any portion of the day.

Compliance Demonstration Method:

(A) For VOC:

$$\text{VOC emitted (lbs/month)} = \sum [\text{VOC emissions from paint and cleaning solvents}]$$

$$E_{\text{VOC}} = \sum [Q * C_{\text{VOC}}]$$

Where:

E_{VOC} = Total VOC emissions (lb/month)

Q = Usage rate of material (gal/month)

C_{VOC} = VOC content of material (lb/gal)

VOC content of material (C_{VOC}) is obtained from the manufacturer's technical specification sheet.

$$\text{Source-wide VOC emissions} = \sum [\text{VOC emissions from paint and cleaning solvents}]$$

(B) For volatile HAP

$$\text{HAP emitted (lbs/month)} = \sum [\text{HAP emissions from paint and cleaning solvents}]$$

$$E_{\text{HAP}i} = Q * d * \frac{\text{wt}\%_{\text{HAP}i}}{100}$$

Where:

$E_{\text{HAP}i}$ = Emissions of HAP "i" (lb/month)

Q = Material usage rate (gal/month)

d = Density of the material used (lb/gal)

$\text{wt}\%_{\text{HAP}i}$ = Weight percent of HAP "i" in material (%)

The density (d) and the weight percent of HAP "i" ($\text{wt}\%_{\text{HAP}i}$) is obtained from the manufacturer's technical specification sheet. The weight percent of HAP "i" should consider any solvent or other material added to the coating.

SECTION D - SOURCE EMISSION LIMITATIONS AND TESTING REQUIREMENTS (CONTINUED)**(C) For nonvolatile HAP**

HAP emitted (lbs/month) = \sum [HAP emissions from painting operations]

$$E_{\text{HAP}} = \sum [Q * C_{\text{HAP}} * (1 - \text{T.E.}/100) * (1 - \text{C.E.}/100)]$$

Where:

E_{HAP} = HAP emissions (lb/month)

Q = Usage rate of material (gal/month)

C_{HAP} = HAP content of material (lb/gal)

T.E. = Transfer efficiency of the application equipment (%)

C.E. = Control efficiency of the PM/PM₁₀ abatement equipment (%)

Where:

The HAP content of the material (C_{HAP}) shall be determined from the manufacturer's technical specification sheet. The transfer efficiency for a particular product and application technique can be obtained from the application equipment manufacturer or from technical references such as *AP-42* (EPA, 1995a).

SECTION E - SOURCE CONTROL EQUIPMENT REQUIREMENTS

1. Pursuant to 401 KAR 50:055, Section 2(5), at all times, including periods of startup, shutdown and malfunction, owners and operators shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Division which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source.

SECTION F - MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS

1. Pursuant to Section 1b (IV)(1) of the *Cabinet Provisions and Procedures for Issuing Federally-Enforceable Permits for Non-Major Sources* incorporated by reference in 401 KAR 52:030 Section 10, when continuing compliance is demonstrated by periodic testing or instrumental monitoring, the permittee shall compile records of required monitoring information that include:
 - a. Date, place (as defined in this permit), and time of sampling or measurements;
 - b. Analyses performance dates;
 - c. Company or entity that performed analyses;
 - d. Analytical techniques or methods used;
 - e. Analyses results; and
 - f. Operating conditions during time of sampling or measurement.
2. Records of all required monitoring data and support information, including calibrations, maintenance records, and original strip chart recordings, and copies of all reports required by the Division for Air Quality, shall be retained by the permittee for a period of five years and shall be made available for inspection upon request by any duly authorized representative of the Division for Air Quality[401 KAR 52:030 Section 3(1)(f)1a and Section 1a (7) of the *Cabinet Provisions and Procedures for Issuing Federally-Enforceable Permits for Non-Major Sources* incorporated by reference in 401 KAR 52:030 Section 10].
3. In accordance with the requirements of 401 KAR 52:030 Section 3(1)f the permittee shall allow authorized representatives of the Cabinet to perform the following during reasonable times:
 - a. Enter upon the premises to inspect any facility, equipment (including air pollution control equipment), practice, or operation;
 - b. To access and copy any records required by the permit;
 - c. Sample or monitor, at reasonable times, substances or parameters to assure compliance with the permit or any applicable requirements.Reasonable times are defined as during all hours of operation, during normal office hours; or during an emergency.
4. No person shall obstruct, hamper, or interfere with any Cabinet employee or authorized representative while in the process of carrying out official duties. Refusal of entry or access may constitute grounds for permit revocation and assessment of civil penalties.
5. Summary reports of any monitoring required by this permit, other than continuous emission or opacity monitors, shall be submitted to the Regional Office listed on the front of this permit at least every six (6) months during the life of this permit, unless otherwise stated in this permit. For emission units that were still under construction or which had not commenced operation at the end of the 6-month period covered by the report and are subject to monitoring requirements in this permit, the report shall indicate that no monitoring was performed during the previous six months because the emission unit was not in operation.

SECTION F - MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS (CONTINUED)

6. The semi-annual reports are due by January 30th and July 30th of each year. All reports shall be certified by a responsible official pursuant to 401 KAR 52:030 Section 22. All deviations from permit requirements shall be clearly identified in the reports.
7. In accordance with the provisions of 401KAR 50:055, Section 1 the owner or operator shall notify the Regional Office listed on the front of this permit concerning startups, shutdowns, or malfunctions as follows:
 - a. When emissions during any planned shutdowns and ensuing startups will exceed the standards, notification shall be made no later than three (3) days before the planned shutdown, or immediately following the decision to shut down, if the shutdown is due to events which could not have been foreseen three (3) days before the shutdown.
 - b. When emissions due to malfunctions, unplanned shutdowns and ensuing startups are or may be in excess of the standards, notification shall be made as promptly as possible by telephone (or other electronic media) and shall be submitted in writing upon request.
8. The owner or operator shall report emission related exceedances from permit requirements including those attributed to upset conditions (other than emission exceedances covered by Section F.7 above) to the Regional Office listed on the front of this permit within 30 days. Other deviations from permit requirements shall be included in the semiannual report required by Section F.5 [Section 1b V(3) and (4) of the *Cabinet Provisions and Procedures for Issuing Federally-Enforceable Permits for Non-Major Sources* incorporated by reference in 401 KAR 52:030 Section 10].
9. Pursuant to 401KAR 52:030, Section 21, the permittee shall annually certify compliance with the terms and conditions contained in this permit by completing and returning a Compliance Certification Form (DEP 7007CC) (or an alternative approved by the regional office) to the Regional Office listed on the front of this permit in accordance with the following requirements:
 - a. Identification of each term or condition;
 - b. Compliance status of each term or condition of the permit;
 - c. Whether compliance was continuous or intermittent;
 - d. The method used for determining the compliance status for the source, currently and over the reporting period.
 - e. For an emissions unit that was still under construction or which has not commenced operation at the end of the 12-month period covered by the annual compliance certification, the permittee shall indicate that the unit is under construction and that compliance with any applicable requirements will be demonstrated within the timeframes specified in the permit.

SECTION F - MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS (CONTINUED)

- f. The certification shall be postmarked by January 30th of each year. Annual compliance certifications should be mailed to the following addresses:

| | |
|--------------------------------|--------------------------|
| Division for Air Quality | Division for Air Quality |
| Owensboro Regional Office | Central Files |
| 3032 Alvey Park Dr. W. STE 700 | 803 Schenkel Lane |
| Owensboro, KY 42303 | Frankfort, KY 40601 |

10. In accordance with 401KAR 52:030, Section 3(1)(d), the permittee shall provide the Division with all information necessary to determine its subject emissions within thirty (30) days of the date the KYEIS emission survey is mailed to the permittee. If a KYEIS emission survey is not mailed to the permittee, then the permittee shall comply with all other emission reporting requirements in this permit.
11. Results of performance test(s) required by the permit shall be submitted to the Division by the source or its representative within forty-five days or sooner if required by an applicable standard, after the completion of the fieldwork.
12. The Cabinet may authorize the temporary use of an emission unit to replace a similar unit that is taken off-line for maintenance, if the following conditions are met:
- a. The owner or operator shall submit to the Cabinet, at least ten (10) days in advance of replacing a unit, the appropriate Forms DEP7007AI to DD that show:
 - i. The size and location of both the original and replacement units; and
 - ii. Any resulting change in emissions;
 - b. The PTE of the replacement unit shall not exceed that of the original unit by more than twenty-five (25) percent of a major source threshold, and the emissions from the unit shall not cause the source to exceed the emissions allowable under the permit;
 - c. The PTE of the replacement unit or the resulting PTE of the source shall not subject the source to a new applicable requirement;
 - d. The replacement unit shall comply with all applicable requirements; and
 - e. The source shall notify Regional office of all shutdowns and start-ups.
 - f. Within six (6) months after installing the replacement unit, the owner or operator shall:
 - i. Re-install the original unit and remove or dismantle the replacement unit; or
 - ii. Submit an application to permit the replacement unit as a permanent change.

SECTION G - GENERAL PROVISIONS

(a) General Compliance Requirements

1. The permittee shall comply with all conditions of this permit. A noncompliance shall be a violation of 401 KAR 52:030 Section 3(1)(b) and is also a violation of Federal Statute 42 USC 7401 through 7671q (the Clean Air Act). Noncompliance with this permit is grounds for enforcement action including but not limited to the termination, revocation and reissuance, revision, or denial of a permit [Section 1a (2) of the *Cabinet Provisions and Procedures for Issuing Federally-Enforceable Permits for Non-Major Sources* incorporated by reference in 401 KAR 52:030 Section 10].
2. The filing of a request by the permittee for any permit revision, revocation, reissuance, or termination, or of a notification of a planned change or anticipated noncompliance, shall not stay any permit condition [Section 1a (5) of the *Cabinet Provisions and Procedures for Issuing Federally-Enforceable Permits for Non-Major Sources* incorporated by reference in 401 KAR 52:030 Section 10].
3. This permit may be revised, revoked, reopened and reissued, or terminated for cause in accordance with 401 KAR 52:030 Section 18. The permit will be reopened for cause and revised accordingly under the following circumstances:
 - a. If additional applicable requirements become applicable to the source and the remaining permit term is three (3) years or longer. In this case, the reopening shall be completed no later than eighteen (18) months after promulgation of the applicable requirement. A reopening shall not be required if compliance with the applicable requirement is not required until after the date on which the permit is due to expire, unless this permit or any of its terms and conditions have been extended pursuant to 401 KAR 52:030 Section 12;
 - b. The Cabinet or the U. S. EPA determines that the permit must be revised or revoked to assure compliance with the applicable requirements;
 - c. The Cabinet or the U. S. EPA determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit.
4. Proceedings to reopen and reissue a permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of the permit for which cause to reopen exists. Reopenings shall be made as expeditiously as practicable. Reopenings shall not be initiated before a notice of intent to reopen is provided to the source by the Division, at least thirty (30) days in advance of the date the permit is to be reopened, except that the Division may provide a shorter time period in the case of an emergency.
5. The permittee shall furnish information upon request of the Cabinet to determine if cause exists for modifying, revoking and reissuing, or terminating the permit; or to determine compliance with the conditions of this permit [Sections 1a (6) and (7) of the *Cabinet Provisions and Procedures for Issuing Federally-Enforceable Permits for Non-Major Sources* incorporated by reference in 401 KAR 52:030 Section 10].

SECTION G - GENERAL PROVISIONS (CONTINUED)

6. The permittee, upon becoming aware that any relevant facts were omitted or incorrect information was submitted in the permit application, shall promptly submit such supplementary facts or corrected information to the permitting authority [401 KAR 52:030 Section 7(1)].
7. Any condition or portion of this permit which becomes suspended or is ruled invalid as a result of any legal or other action shall not invalidate any other portion or condition of this permit [Section 1a (11) of the *Cabinet Provisions and Procedures for Issuing Federally-Enforceable Permits for Non-Major Sources* incorporated by reference in 401 KAR 52:030 Section 10].
8. The permittee shall not use as a defense in an enforcement action the contention that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance [Section 1a (3) of the *Cabinet Provisions and Procedures for Issuing Federally-Enforceable Permits for Non-Major Sources* incorporated by reference in 401 KAR 52:030 Section 10].
9. Except for requirements identified in this permit as state-origin requirements, all terms and conditions shall be enforceable by the United States Environmental Protection Agency and citizens of the United States [Section 1a (12)(b) of the *Cabinet Provisions and Procedures for Issuing Federally-Enforceable Permits for Non-Major Sources* incorporated by reference in 401 KAR 52:030 Section 10].
10. This permit shall be subject to suspension if the permittee fails to pay all emissions fees within 90 days after the date of notice as specified in 401 KAR 50:038 Section 3(6) [Section 1a (9) of the *Cabinet Provisions and Procedures for Issuing Federally-Enforceable Permits for Non-Major Sources* incorporated by reference in 401 KAR 52:030 Section 10].
11. Nothing in this permit shall alter or affect the liability of the permittee for any violation of applicable requirements prior to or at the time of permit issuance [401 KAR 52:030 Section 11(3)].
12. This permit does not convey property rights or exclusive privileges [Section 1a (8) of the *Cabinet Provisions and Procedures for Issuing Federally-Enforceable Permits for Non-Major Sources* incorporated by reference in 401 KAR 52:030 Section 10].
13. Issuance of this permit does not relieve the permittee from the responsibility of obtaining any other permits, licenses, or approvals required by the Cabinet or any other federal, state, or local agency.
14. Nothing in this permit shall alter or affect the authority of U.S. EPA to obtain information pursuant to Federal Statute 42 USC 7414, Inspections, monitoring, and entry.
15. Nothing in this permit shall alter or affect the authority of U.S. EPA to impose emergency orders pursuant to Federal Statute 42 USC 7603, Emergency orders.

SECTION G - GENERAL PROVISIONS (CONTINUED)

16. This permit consolidates the authority of any previously issued PSD, NSR, or Synthetic minor source preconstruction permit terms and conditions for various emission units and incorporates all requirements of those existing permits into one single permit for this source.
17. Permit Shield – A permit shield shall not protect the owner or operator from enforcement actions for violating an applicable requirement prior to or at the time of permit issuance. Compliance with the conditions of this permit shall be considered compliance with:
 - a. Applicable requirements that are included and specifically identified in this permit; and
 - b. Non-applicable requirements expressly identified in this permit.
18. Emission units described in this permit shall demonstrate compliance with applicable requirements if requested by the Division [401 KAR 52:030 Section 3(1)(c)].
19. The authority to operate granted through this permit shall cease to apply if the source fails to submit additional information requested by the Division after the completeness determination has been made on any application, by whatever deadline the Division sets [401 KAR 52:030 Section 8(2)].

(b) Permit Expiration and Reapplication Requirements

This permit shall remain in effect for a fixed term of five (5) years following the original date of issue. Permit expiration shall terminate the source's right to operate unless a timely and complete renewal application has been submitted to the Division at least six months prior to the expiration date of the permit. Upon a timely and complete submittal, the authorization to operate within the terms and conditions of this permit, including any permit shield, shall remain in effect beyond the expiration date, until the renewal permit is issued or denied by the Division [401 KAR 52:030 Section 12].

(c) Permit Revisions

1. Minor permit revision procedures specified in 401 KAR 52:030 Section 14 (3) may be used for permit revisions involving the use of economic incentive, marketable permit, emission trading, and other similar approaches, to the extent that these minor permit revision procedures are explicitly provided for in the SIP or in applicable requirements and meet the relevant requirements of 401 KAR 52:030 Section 14 (2).
2. This permit is not transferable by the permittee. Future owners and operators shall obtain a new permit from the Division for Air Quality. The new permit may be processed as an administrative amendment if no other change in this permit is necessary, and provided that a written agreement containing a specific date for transfer of permit responsibility coverage and liability between the current and new permittee has been submitted to the permitting authority within ten (10) days following the transfer.

SECTION G - GENERAL PROVISIONS (CONTINUED)

(d) Construction, Start-Up, and Initial Compliance Demonstration Requirements

No construction authorized by this permit

(e) Acid Rain Program Requirements

1. If an applicable requirement of Federal Statute 42 USC 7401 through 7671q (the Clean Air Act) is more stringent than an applicable requirement promulgated pursuant to Federal Statute 42 USC 7651 through 7651o (Title IV of the Act), both provisions shall apply, and both shall be state and federally enforceable.

(f) Emergency Provisions

1. Pursuant to 401 KAR 52:030 Section 23(1), an emergency shall constitute an affirmative defense to an action brought for noncompliance with the technology-based emission limitations if the permittee demonstrates through properly signed contemporaneous operating logs or other relevant evidence that:
 - a. An emergency occurred and the permittee can identify the cause of the emergency;
 - b. The permitted facility was at the time being properly operated;
 - c. During an emergency, the permittee took all reasonable steps to minimize levels of emissions that exceeded the emissions standards or other requirements in the permit; and,
 - d. The permittee notified the Division as promptly as possible and submitted written notice of the emergency to the Division within two (2) working days of the time when emission limitations were exceeded due to an emergency. The notice shall include a description of the emergency, steps taken to mitigate emissions, and the corrective actions taken.
2. Notification of the Division does not relieve the source of any other local, state or federal notification requirements.
3. Emergency conditions listed in General Provision G(f)1 above are in addition to any emergency or upset provision(s) contained in an applicable requirement [401 KAR 52:030 Section 23(3)].
4. In an enforcement proceeding, the permittee seeking to establish the occurrence of an emergency shall have the burden of proof[401 KAR 52:030 Section 23(2)].

SECTION G - GENERAL PROVISIONS (CONTINUED)

(g) Risk Management Provisions

1. The permittee shall comply with all applicable requirements of 401 KAR Chapter 68, Chemical Accident Prevention, which incorporates by reference 40 CFR Part 68, Risk Management Plan provisions. If required, the permittee shall comply with the Risk Management Program and submit a Risk Management Plan to:

RMP Reporting Center
P.O. Box 1515
Lanham-Seabrook, MD 20703-1515.

2. If requested, submit additional relevant information to the Division or the U.S. EPA.

(h) Ozone depleting substances

1. The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B:
 - a. Persons opening appliances for maintenance, service, repair, or disposal shall comply with the required practices contained in 40 CFR 82.156.
 - b. Equipment used during the maintenance, service, repair, or disposal of appliances shall comply with the standards for recycling and recovery equipment contained in 40 CFR 82.158.
 - c. Persons performing maintenance, service, repair, or disposal of appliances shall be certified by an approved technician certification program pursuant to 40 CFR 82.161.
 - d. Persons disposing of small appliances, MVACs, and MVAC-like appliances (as defined at 40 CFR 82.152) shall comply with the recordkeeping requirements pursuant to 40 CFR 82.166.
 - e. Persons owning commercial or industrial process refrigeration equipment shall comply with the leak repair requirements pursuant to 40 CFR 82.156.
 - f. Owners/operators of appliances normally containing 50 or more pounds of refrigerant shall keep records of refrigerant purchased and added to such appliances pursuant to 40 CFR 82.166.
2. If the permittee performs service on motor (fleet) vehicle air conditioners containing ozone-depleting substances, the source shall comply with all applicable requirements as specified in 40 CFR 82, Subpart B, *Servicing of Motor Vehicle Air Conditioners*.

SECTION H - ALTERNATE OPERATING SCENARIOS

N/A

SECTION I - COMPLIANCE SCHEDULE

N/A